



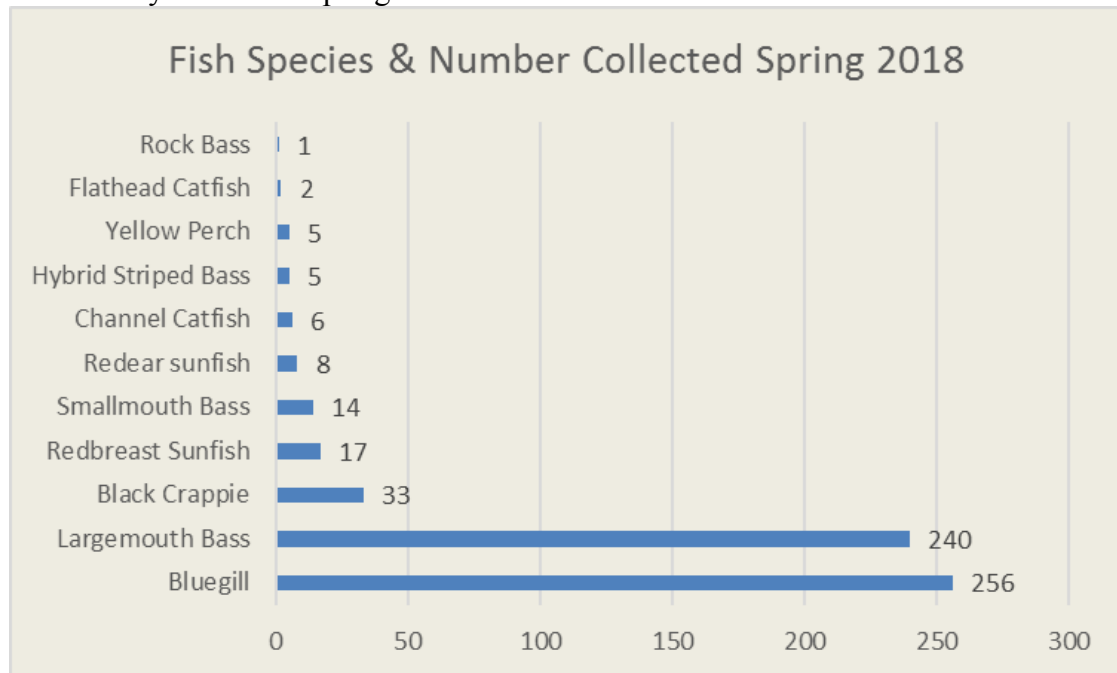
## **Carvins Cove 2019 Fisheries Management Report**



Carvins Cove is a 630-acre impoundment located in Roanoke and Botetourt Counties, Virginia. This reservoir is owned by the Western Virginia Water Authority, and is managed primarily for municipal water supply for the City of Roanoke. The reservoir is surrounded by scenic mountain views, offers good fishing opportunities, and provides an extensive trail system available to hikers, bikers, and horseback riders. Other facilities available at this reservoir include a boat ramp and restrooms. Access to the lake is open all year but the lake is closed at night. Outboard motor use is restricted to 10 hp and electric motors. There is a daily fee for all users and additional fees for boaters.

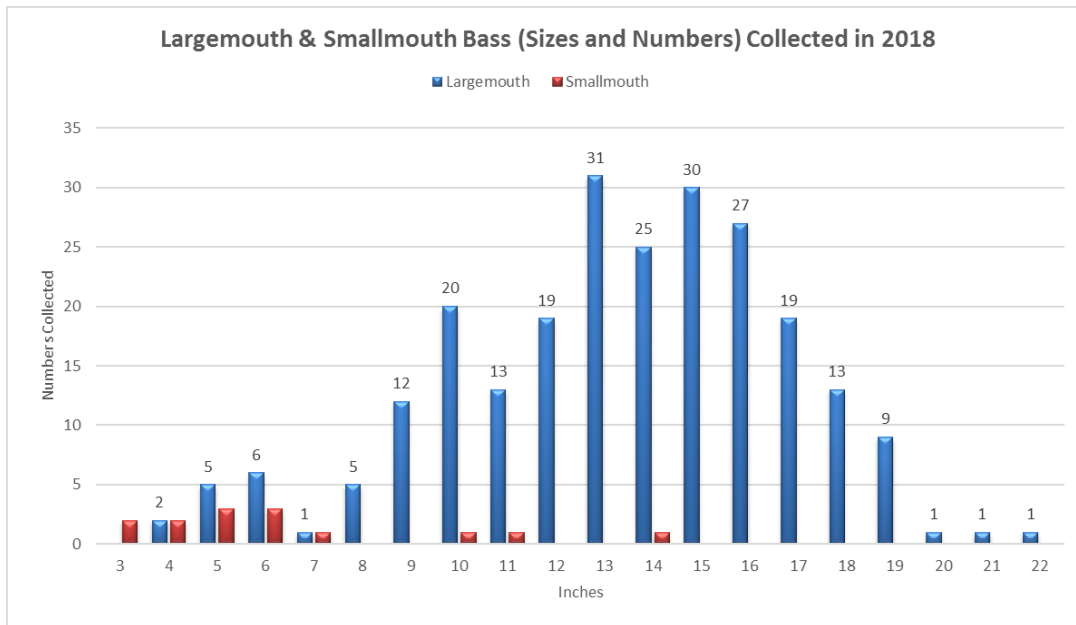
The reservoir was impounded in 1945 and was stocked with various predator species such as striped bass, walleye, muskie, and catfish until 1992. Due to invasive species concerns, Carvins Cove had limited boating access and VDGIF was not able to sample fish populations from approximately 1993-2008. Sampling resumed in the spring of 2009 revealing that this reservoir still contained a good fishery. Currently, the most popular sportfish species are largemouth bass, smallmouth bass, hybrid striped bass, black crappie, catfish, and sunfish. With the exception of a 14-inch minimum size limit for largemouth and smallmouth bass, all fish species are regulated with

statewide regulations. The following chart shows the species and numbers of fish collected by VDGIF in spring 2018.

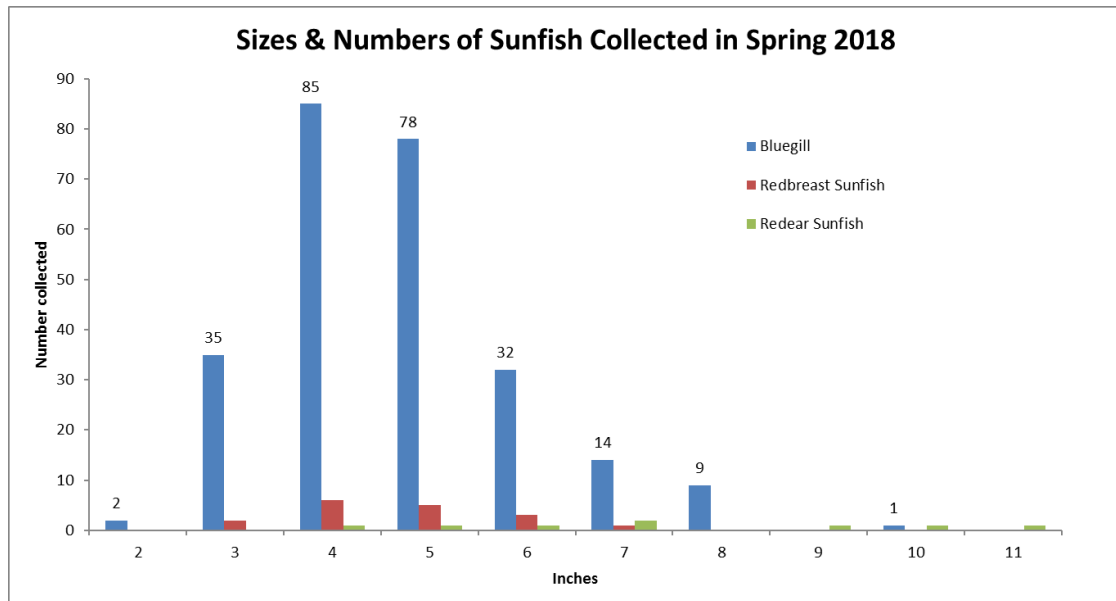


Largemouth bass are abundant with good numbers of fish up to 18 inches and a few reaching 21 inches. Largemouth bass are distributed throughout the reservoir, but are typically located in deeper water after the spawn, due to high water clarity and limited structure. Smallmouth bass are present, but in lower numbers, and are typically caught in deeper water than largemouth bass. Anglers should concentrate on natural bottom structures and drop offs to locate bass when they are not frequenting

shallow areas during the spawn. The following chart shows the sizes and numbers of largemouth and smallmouth bass collected by VDGIF in the spring 2018.



Anglers fishing for sunfish will find variety including redear, redbreast, and pumpkinseed, but bluegills are the dominant sunfish species. Most bluegills are small with sizes ranging from 2-10 inches and a lot of fish in the 3-6 inches range. There are few larger bluegills in the population. The following chart shows the sizes and numbers of sunfish collected in spring 2018.

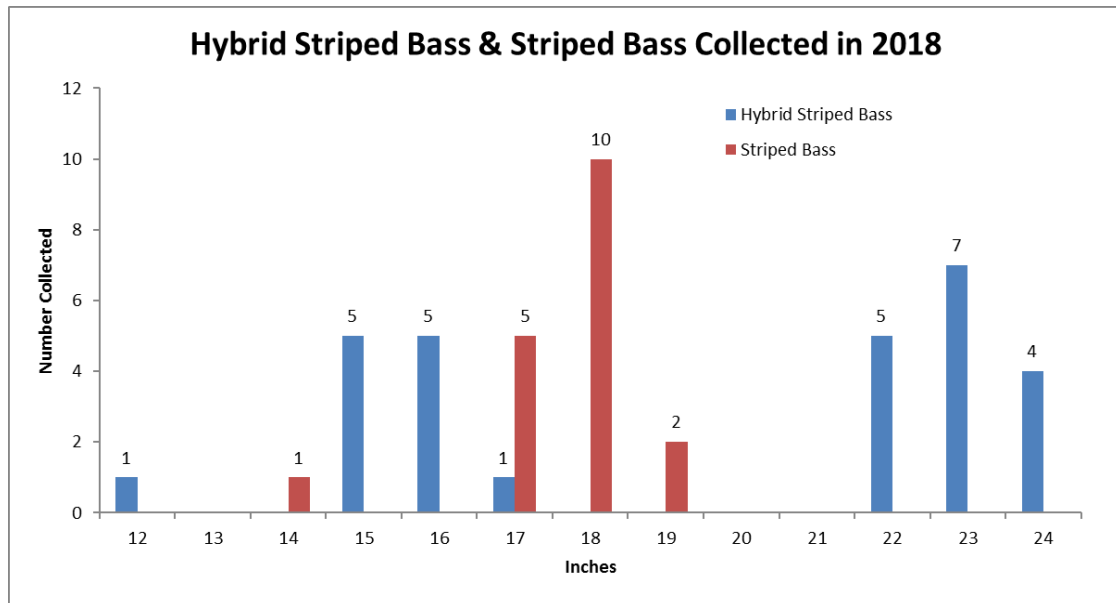


Black crappie are not abundant, but the average size collected during the spring 2018 sampling was good, averaging 11 inches with sizes ranging from 9-13 inches. Most black crappie concentrate in the upper end of the reservoir.

Channel catfish and flathead catfish offer something for those anglers who target catfish. The lake is not known for exceptional catfishing, but some decent channel catfish were collected in 2018 sampling efforts with sizes ranging from 17-24 inches.

Hybrid striped bass were stocked in 2013-2015 and 2017-2018 and striped bass were stocked in 2017 to diversify fishing opportunities. Hybrid striped bass collected in 2018 sampling ranged in size from 12-24 inches and striped bass ranged in size from 14-19 inches. The fishing regulations for hybrid striped bass and striped bass are

4 per day creel limit with no fish less than 20 inches. The following chart shows the sizes and numbers of hybrid striped bass and striped bass collected in fall gill net sampling 2018.



Information about boating, times the lake is open, rentals and other regulations or for additional information for visitors to Carvins Cove Reservoir can be found at;

<https://www.westernvawater.org/i-am-a-/recreationalist/carvins-cove-natural-reserve>

or call Carvins Cove Natural Reserve (540) 563-9170.

For more information on the fishery, contact George Palmer by telephone (434) 525-7522 or by e-mail [george.palmer@dgif.virginia.gov](mailto:george.palmer@dgif.virginia.gov)